

ABSTRACT OF THE DISCLOSURE

This invention is to improve the reproducibility and yield in separating a bonded substrate stack. A bonded substrate stack having a porous layer inside is held by substrate holding portions 105 and 106, and a fluid is injected from a nozzle to the porous layer of the bonded substrate stack, thereby separating the bonded substrate stack at the porous layer. The variation in pressure of the fluid is suppressed within a predetermined range by a servo-driven pump.